



IPW

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
Robert A. BREYER, *et al.* ) Group Art No. 1755  
Serial No.: 10/671,885 ) Examiner: TBA  
Filed: September 29, 2004 ) Docket No: 005242.00138

For: WOOD COMPOSITES BONDED WITH PROTEIN-MODIFIED UREA-FORMALDEHYDE RESIN ADHESIVE

**INFORMATION DISCLOSURE STATEMENT**

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Sir:

In accordance with 37 C.F.R. §§ 1.97 and 1.98, attached is a Form PTO 1449 listing references for consideration by the Examiner during the prosecution of the above-captioned patent application. Consideration of the listed references and making the same of record in the above-captioned patent application are respectfully requested. Because these references are being provided within the time period specified under 37 C.F.R. § 1.97(b)(3) (*i.e.*, before the mailing of a first Office Action on the merits), it is believed that no fee is due. However, if it is determined that a fee is due, please charge the appropriate amount to our Deposit Account No. 19-0733.

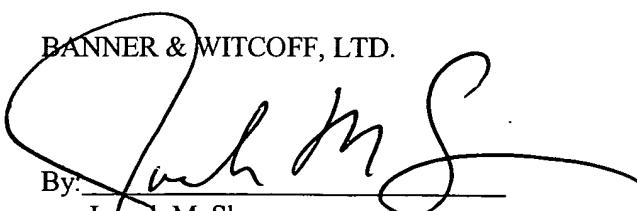
Copies of U.S. patent references are not being submitted herewith, in accordance with the Official Gazette Notice dated August 5, 2003, waiving the requirement under 37 C.F.R. § 1.98(a)(2)(i) for submitting copies of U.S. patents in patent applications filed after June 30, 2003.

Copies of all other listed references are submitted herewith.

Applicants do not waive any rights to establish patentability over any of the listed references, should they be applied against the claims of the above-captioned patent application.

Respectfully submitted,

BANNER & WITCOFF, LTD.

By:   
Joseph M. Skerpon  
Reg. No. 29,864

Dated: 8-9-04

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PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**Complete if Known**

Application Number	10/671,885
Filing Date	September 29, 2003
First Named Inventor	Robert A. BREYER
Art Unit	1755
Examiner Name	TBA
Attorney Docket Number	005242.00138

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1 of 3

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
		US- 4,282,119	08-04-1981	Tinkelenberg et al.	
		US- 4,474,694	10-02-1984	Coco et al.	
		US- 4,554,337	11-19-1985	Krinski et al.	
		US- 4,687,826	08-18-1987	Steinmetz et al.	
		US- 5,153,242	10-06-1992	Timm et al.	
		US- 5,344,871	09-06-1994	Timm et al.	
		US- 5,455,066	10-03-1995	Broich et al.	
		US- 5,593,625	01-14-1997	Reibel et al.	
		US- 5,766,331	06-16-1998	Krinski et al.	
		US- 6,231,985	05-15-2001	Chen et al.	
		US- 6,306,997	10-23-2001	Kuo et al.	
		US- 6,365,650	04-02-2002	Chen et al.	
		US- 6,497,760	12-24-2002	Sun et al.	
		US- 6,518,387	02-11-2003	Kuo et al.	
		US- 6,719,882	04-13-2004	Vijayendran et al.	
		US- 2002/0005251 A1	01-17-2002	Sun et al.	
		US- 2003/0148084 A1	08-07-2003	Trocino et al.	
		US-			
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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)				
		EP - 0 997 513	05-03-2000	Silvestre et al.		Abs
		WO - 01/59026	08-16-2001	Trocino		*
		JP - 6200226	07-19-1994	Kounosuke		Abs
		JP - 58034877	03-01-1983	Yamaguchi et al.		Abs
		JP - 81045957	10-29-1981			Abs

Examiner Signature		Date Considered
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO			<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>			<i>Application Number</i>	10/671,885
<i>(Use as many sheets as necessary)</i>			<i>Filing Date</i>	September 29, 2003
			<i>First Named Inventor</i>	Robert A. Breyer
			<i>Art Unit</i>	1755
			<i>Examiner Name</i>	TBA
Sheet	2	3	<i>Attorney Docket Number</i>	005242.00138

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	<sup>2</sup> T
		BIAN, et al., "Adhesive Performance of Modified Soy Protein Polymers" Polym. Prep., Am. Chem. Soc. Div., Polym. Chem., Vol. 39, pp. 72-73, 1998.	
		KIRK-OTHMER, "Soybeans and other Oilseeds" Encyclopedia of Chemical Technology, Vol. 21, 3 <sup>rd</sup> Ed., pp. 418-422, 1983.	
		KIRK-OTHMER, "Soybeans and Other Oilseeds" Encyclopedia of Chemical Technology, Vol. 22, 4 <sup>th</sup> Ed., pp. 591-619, 1997.	
		MO et al., "Compression and Tensile Strength of Low-Density Straw-Protein Particleboard" Industrial Crops and Products, Vol. 14, pp. 1-9, 2001.	
		HOJILLA-EVANGELISTA, et al., "Foaming Properties of Soybean Protein-Based Plywood Adhesives", JAOCS, Vol. 78, No. 6, pp. 567-572, 2001.	
		KUO, et al., "Properties of Wood/Agricultural Fiberboard Bonded with Soybean-Based Adhesives" Forest Products Journal, Vol. 48, No. 2, pp. 71-75, February 1998.	
		KRINSKI, et al., "Emerging Polymeric Materials Based on Soy Protein" American Chemical Society, pp. 299-312, 1992.	
		HOJILLA-EVANGELISTA, et al., "Adhesive Qualities of Soybean Protein-Based Foamed Plywood Glues" JAOCS, Vol. 79, No. 11, pp. 1145-1148, 2002.	
		SUN, et al., "Plastic Performance of Soybean Protein Components" JAOCS, Vol. 76, No. 1, pp. 117-123, 1999.	
		CONNER, et al., "Soybean-Based Wood Adhesives" JAOCS, Vol. 66, No. 4, pp. 437, 1989.	
		YANG, et al., "Soybean-Based Wood Adhesives for Structural Panels" Citations from Dissertation Abstracts, Vol. 63-04B, pp. 1625, 2002.	

Examiner Signature		Date Considered
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<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>NON PATENT LITERATURE DOCUMENTS</b>				
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>2</sup>
		COLEN, "A Study to Ascertain the Viability of Ultrasonic Nondestructive Testing to Determine the Mechanical Characteristics of Wood/Agricultural Hardboards with Soybean Based Adhesives" UMI Dissertation Services, 1998.		
		KARCHER, "Incorporation of Corn- and Soybean-Based Materials into Plywood Adhesives" University of Illinois Thesis, pp. 115-216, 1997.		
		SCHMITT, "Startup Firm Stuck on Soybeans" Chemical Week, pp. 9, March 13, 2002.		
		PARTINGTON, "United Soybean Board Unveils Soy-Based Wood Adhesive" Adhesives Age, pp. 46, October 1996.		
		"Soybean Based Adhesives Developed for Wood Applications" Adhesives Age, pp. 40, April 1994.		
		LORENZ, et al., "The Effect of Soy Protein Additions on the Reactivity and Formaldehyde Emissions of Urea-Formaldehyde Adhesive Resins" Forest Products Journal, Vol. 49, No. 3, pp. 73-78, March 1999.		

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